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Datasheet for 200-301-G46

SLACK potassium channel Antibody

Overview

Description:	Anti-SLACK potassium channel (MOUSE) Monoclonal Antibody - 200-301-G46
Item No.:	200-301-G46
Size:	100 µg
Applications:	IF, IHC, IP, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Slo2.2 is a novel member of the mammalian Slo potassium channel gene family. Slo2 channels may contribute to the resting potentials of cells that control their basal level of excitability. They also have sensors that couple channel activity to the intracellular concentrations of Na+ and Cl-.
Synonyms:	potassium channel subfamily T member 1, Sequence like a calcium-activated potassium channel subunit, Kcnt1, Slack
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	N3/26
Format:	IgG1

Target Details

Gene Name:	Kcnt1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein
Immunogen:	SLACK potassium channel Antibody was produced in mice by repeated immunizations raised against a fusion protein near the c-terminus region of rat Slo2.2 (Slack).

Purity/Specificity:	Anti-SLACK potassium channel Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with SLACK from Human, Rat, and Mouse based on 100% homology with the immunizing sequence. Cross-reactivity with SLACK from other sources has not been determined. Channels and Transporters research.
Relevant Links:	• NCBI - NP_068625 • GeneID - 60444 • UniProtKB - Q9Z258

Application Details

Tested Applications:	IF, IHC, IP, WB
Application Note:	Anti-SLACK Antibody is tested for use in WB, IHC, IF, and IHC. Expect a band approximately ~140kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user. Antibody is provided in PBS pH 7.4.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1.0-10 ug/mL
IHC:	0.1-1.0 ug/mL
WB:	1 ug/mL

Formulation

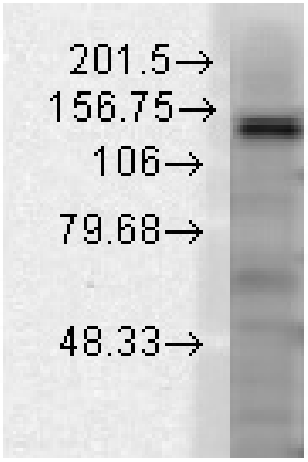
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	1X PBS, pH 7.4
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of mouse anti-Slo2.2 antibody. Lane 1: Rat Brain Membrane cell lysate. Primary antibody: Slo2.2 antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-mouse IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Blotto overnight 4°C. Predicted/Observed size:139 kDa/140kD. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.